AMENDMENTS TO THE CLAIMS:

Claim 1. (Previously presented) A software portable telephone set comprising:

a detachable transmitting function part; and

transmitting and receiving circuits capable of being reconfigured afresh with software program updating,

wherein the transmitting circuit is reconfigured afresh in relation to the mounting and demounting of said transmitting function part, and

wherein said detachable transmitting function part conditions a transmission frequency signal received from said transmitting circuit.

Claim 2. (Previously presented) The software portable telephone set according to claim 1, wherein said transmitting function part comprises a detachable module for transmitting a modulated output analog signal.

Claim 3. (Previously presented) The software portable telephone set according to claim 1, wherein the transmitting and receiving circuits comprise a software memory part for executing signal conversion processing, programs transferred from a program memory being set in the software memory part.

Claim 4. (Previously presented) The software portable telephone set according to claim 1, wherein the transmitting and receiving circuits comprise one of a demodulator, a modulator and a wide-band synthesizer which are controlled by a program stored in a software memory part.

Claim 5. (Previously presented) The software portable telephone set according to claim 2, wherein the detachable module comprises one of a power amplifier, a transmission signal filter and an isolator.

Claim 6. (Previously presented) The software portable telephone set according to claim 1, wherein the transmitting and receiving circuits comprise a software memory part for executing signal conversion processing, programs transferred from a program memory being set in the software memory part and a plurality of programs for commanding signal conversion processing being stored in the program memory.

Claim 7. (Previously presented) The software portable telephone set according to claim 1, wherein the transmitting and receiving circuits comprise a software memory part for executing a signal conversion processing, programs transferred from a program memory being set in the software memory part and the software memory provides commands according to a program transferred from the program memory according to a system switching command.

Claim 8. (Previously presented) A portable telephone set comprising:

a body;

a transmitting circuit within said body; and

a transmission function unit for performing a specified transmission process being detachably mounted to said body of the portable telephone set,

wherein an operation of the transmitting circuit is determined on the basis of a

predetermined software program which is selected, and

wherein said detachable transmitting function unit conditions a transmission frequency signal received from said transmitting circuit.

Claim 9. (Previously presented) The portable telephone set according to claim 8, wherein the predetermined software program is selected from a plurality of software programs stored in a memory in the portable telephone set.

Claim 10. (Previously presented) The portable telephone set according to claim 8, further comprising a receive function unit comprising a received signal mixing portion, a demodulating portion and a base band signal processing portion, wherein an operation of said received signal mixing portion, said demodulating portion and said base band signal processing portion in the receive function unit is determined on the basis of the predetermined software program.

Claim 11. (Previously presented) The portable telephone set according to claim 8, wherein said transmission function unit comprises one of a plurality of transmission function units each performing a different frequency band operation.

Claim 12. (Previously presented) The portable telephone set according to claim 9, further comprising a receive processing unit, wherein the plurality of software programs are stored in a software source memory, one of the plurality of software programs is selected and down-loaded and an operation of the receive processing unit is defined by the down-loaded software

program.

Claim 13. (Previously presented) The portable telephone set according to claim 8, wherein the transmission function unit comprises one of an amplifier, a transmission signal filter and an isolator.

Claim 14. (Previously presented) The portable telephone set according to claim 8, wherein the transmission function unit comprises a software memory for storing one of a plurality of software programs each adapted to each transmission function unit, the predetermined software program being defined by loading the software program from the software memory in the mounted transmission function unit.

Claim 15. (Previously presented) The portable telephone set according to claim 8, further comprising a receipt function unit, wherein a currently operating system is detected on the basis of a demodulated output of a received signal in the receipt function unit and the detected system is displayed.

Claim 16. (Previously presented) The software portable telephone set of claim 1, wherein said detachable transmitting function part conditions the transmission frequency signal received from said transmitting circuit based upon a transmission system that corresponds to said detachable transmitting function part.

Claim 17. (Previously presented) The software portable telephone set of claim 1, wherein

said transmitting circuit comprises a wide-band transmitting circuit.

Claim 18. (Previously presented) The portable telephone set of claim 8, wherein said detachable transmitting function part conditions the transmission frequency signal received from said transmitting circuit based upon a transmission system that corresponds to said detachable transmitting function part.

Claim 19. (Previously presented) The portable telephone set of claim 8, wherein said transmitting circuit comprises a wide-band transmitting circuit.

Claim 20. (Currently amended) A portable telephone set, comprising:

a detachable transmission module; and

a transmitting circuit adapted to transmit in a transmission frequency signal in accordance with instructions in a predetermined software program,

wherein said detachable ~~transmitting~~ transmission module conditions said transmission frequency signal received from said transmitting circuit, and

wherein said detachable transmission module is detachable from the transmitting circuit.

Claim 21. (Previously presented) The software portable telephone set of claim 1, wherein said transmitting circuit comprises a transmission frequency signal synthesizer.

Claim 22. (Previously presented) The software portable telephone set of claim 21,

wherein said transmission frequency signal synthesizer comprises a wide-band synthesizer.

Claim 23. (Currently amended) The software portable telephone set of claim 1, wherein said transmitting circuit comprises a software memory that is reconfigured afresh in relation to the mounting and demounting of the detachable transmitting function part.

Claim 24. (Previously presented) The software portable telephone set of claim 23, wherein the software memory is reconfigured afresh in relation to the mounting and demounting of the detachable transmitting function part by replacing a first signal processing program in the software memory with a second signal processing program from a program memory.

Claim 25. (Previously presented) The software portable telephone set of claim 24, wherein the first signal processing program comprises instructions for performing signal conversion processing.

Claim 26. (Previously presented) The software portable telephone set of claim 1, further comprising a plurality of detachable transmitting function parts.

Claim 27. (Previously presented) The software portable telephone set of claim 26, wherein each of said plurality of detachable transmitting function parts performs a different frequency band operation.

Claim 28. (Previously presented) The software portable telephone set of claim 1, wherein said transmitting circuit that is reconfigured afresh comprises at least one of a demodulator, a wide-band synthesizer, a base-band signal processor, and a modulator.